## **AMENDMENTS TO THE CLAIMS**

- 1. (Original) Silk thread containing spider thread protein, characterized by being produced by a transgenic silkworm possessing a pair of fibroin H chain genes.
- 2. (Original) Silk thread containing spider thread protein according to claim 1, characterized in that said silk thread essentially retains the basic structure of silk thread fibroin H chain protein.
- 3. (Currently Amended) Silk thread according to claim 1 or 2 claim 1, characterized in that the spider thread protein is dispersed in the fibroin protein.
- 4. (Currently Amended) Silk thread according to any one of claims 1 to 3 claim 1, characterized in that the spider thread protein is fused with a polypeptide contained in the fibroin H chain protein.
- 5. (Original) Silk thread according to claim 4, characterized in that the spider thread protein is inserted between the N-terminal portion and C-terminal portion of the fibroin H chain protein, and is disulfide bonded with the fibroin L chain protein via a cysteine contained in the C-terminal portion.
- 6. (Currently Amended) Silk thread according to any one of claims 1 to 5 claim 1, wherein the spider thread protein content is 0.1-25 wt%.
- 7. (Original) Silk thread according to claim 6, wherein the spider thread protein content is 1-15 wt%.
- 8. (Original) Silk thread according to claim 7, wherein the spider thread protein content is 1-10 wt%.

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9. (Currently Amended) Silk thread according to any one of claims 1 to 8 claim 1, characterized in that the spider thread protein includes the peptide listed as SEQ ID NO: 1, or the peptide listed as SEQ ID NO: 1 with a deletion, substitution or addition of one or more amino acids and having the properties of spider thread protein.

- 10. (Currently Amended) Silk thread according to claim 9, characterized by comprising spider thread protein with 3-30 repeats of the peptide of claim 9.
- 11. (Currently Amended) Silk thread according to claim 10, characterized by comprising spider thread protein with 4-16 repeats of the peptide of claim 9.
- 12. (Currently Amended) Silk thread according to any one of claims 1 to 8 claim 1, characterized in that the spider thread protein includes the peptide listed as SEQ ID NO: 2, or the peptide listed as SEQ ID NO: 2 with a deletion, substitution or addition of one or more amino acids and having the properties of spider thread protein.
- 13. (Currently Amended) Silk thread according to claim 12, characterized by comprising spider thread protein with 3-30 repeats of the peptide of claim 12.
- 14. (Currently Amended) Silk thread according to claim 13, characterized by comprising spider thread protein with 4-16 repeats of the peptide of claim 12.
- 15. (Currently Amended) Silk thread according to any one of claims 1 to 8 claim 1, characterized in that the spider thread protein contains both the a peptide according to claim 9 listed as SEQ ID NO: 1, or the peptide listed as SEQ ID NO: 1 with a deletion, substitution or addition of one or more amino acids and having the properties of spider thread protein and the a peptide according to claim 12 listed as SEQ ID NO: 2, or the peptide listed as SEQ ID NO: 2

with a deletion, substitution or addition of one or more amino acids and having the properties of spider thread protein.

- 16. (Currently Amended) Silk thread according to any one of claims 5 to 15 claim 5, characterized in that the C-terminal portion of the fibroin H chain protein fused with the spider thread protein is the peptide of SEQ ID NO: 3 or the peptide of SEQ ID NO: 3 having a deletion, substitution or addition of one or more amino acids and having 2 or 3 cysteines.
- 17. (Currently Amended) Silk thread according to any one of claims 5-16 claim 5, characterized in that the N-terminal portion of the fibroin H chain protein fused with the spider thread protein is the peptide of SEQ ID NO: 4 or the peptide of SEQ ID NO: 4 having a deletion, substitution or addition of one or more amino acids, and is a peptide such that the gene coding for said peptide retains the function of enhancing promoter-dependent exogenous protein expression.
- 18. (Currently Amended) Silk thread according to any one of claims 1 to 17 claim 1, wherein the spider thread protein is not fused to a selection marker protein.
- 19. (Currently Amended) A transgenic silkworm possessing a pair of fibroin H chain genes and producing silk thread according to any one of claims 1 to 18 claim 1 wherein the gene coding for spider thread protein is transferred into a region other than the pair of fibroin H chain genes.
- 20. (Original) A transgenic silkworm according to claim 19, characterized by having a fibroin H chain gene promoter for expression of spider thread protein in the gene recombinant silkworm.

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21. (Original) A transgenic silkworm according to claim 19, characterized by having a fibroin H chain gene promoter and its upstream region for expression of spider thread protein in the gene recombinant silkworm.

- 22. (Currently Amended) A transgenic silkworm according to claim 20 or 21 claim 20, characterized in that the entirety or a portion of the full-length first exon first intron second exon region of the fibroin H chain gene is linked downstream from the fibroin H chain promoter.
- 23. (Currently Amended) A method for producing a transgenic silkworm according to any one of claims 19 to 22 claim 19, which utilizes a transposon.
- 24. (Original) A method for producing a transgenic silkworm according to claim 23, characterized in that the transposon is piggyBac transposon.
- 25. (Currently Amended) A method for producing silk thread characterized by using a transgenic silkworm according to any one of claims 19 to 22 claim 19.
- 26. (Currently Amended) A textile employing silk thread according to any one of claims 1 to 18 claim 1.